

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$4 \overline{) 26162}$$

(2)

$$5 \overline{) 40816}$$

(3)

$$6 \overline{) 85795}$$

(4)

$$5 \overline{) 92465}$$

(5)

$$6 \overline{) 59650}$$

(6)

$$6 \overline{) 65127}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 6540 \text{ R2} \\ 4 \overline{) 26162} \\ \underline{- 24} \qquad (6 \times 4) \\ 21 \\ \underline{- 20} \qquad (5 \times 4) \\ 16 \\ \underline{- 16} \qquad (4 \times 4) \\ 02 \\ \underline{- 0} \qquad (0 \times 4) \\ \text{Remainder --> } 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 8163 \text{ R1} \\ 5 \overline{) 40816} \\ \underline{- 40} \qquad (8 \times 5) \\ 08 \\ \underline{- 5} \qquad (1 \times 5) \\ 31 \\ \underline{- 30} \qquad (6 \times 5) \\ 16 \\ \underline{- 15} \qquad (3 \times 5) \\ \text{Remainder --> } 1 \end{array} $	<p>(3)</p> $ \begin{array}{r} 14299 \text{ R1} \\ 6 \overline{) 85795} \\ \underline{- 6} \qquad (1 \times 6) \\ 25 \\ \underline{- 24} \qquad (4 \times 6) \\ 17 \\ \underline{- 12} \qquad (2 \times 6) \\ 59 \\ \underline{- 54} \qquad (9 \times 6) \\ 55 \\ \underline{- 54} \qquad (9 \times 6) \\ \text{Remainder --> } 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 18493 \text{ R0} \\ 5 \overline{) 92465} \\ \underline{- 5} \qquad (1 \times 5) \\ 42 \\ \underline{- 40} \qquad (8 \times 5) \\ 24 \\ \underline{- 20} \qquad (4 \times 5) \\ 46 \\ \underline{- 45} \qquad (9 \times 5) \\ 15 \\ \underline{- 15} \qquad (3 \times 5) \\ \text{Remainder --> } 0 \end{array} $	<p>(5)</p> $ \begin{array}{r} 9941 \text{ R4} \\ 6 \overline{) 59650} \\ \underline{- 54} \qquad (9 \times 6) \\ 56 \\ \underline{- 54} \qquad (9 \times 6) \\ 25 \\ \underline{- 24} \qquad (4 \times 6) \\ 10 \\ \underline{- 6} \qquad (1 \times 6) \\ \text{Remainder --> } 4 \end{array} $	<p>(6)</p> $ \begin{array}{r} 10854 \text{ R3} \\ 6 \overline{) 65127} \\ \underline{- 6} \qquad (1 \times 6) \\ 05 \\ \underline{- 0} \qquad (0 \times 6) \\ 51 \\ \underline{- 48} \qquad (8 \times 6) \\ 32 \\ \underline{- 30} \qquad (5 \times 6) \\ 27 \\ \underline{- 24} \qquad (4 \times 6) \\ \text{Remainder --> } 3 \end{array} $